



Rec'd 3/8/82

File 1047

March 5, 1982

Sun Exploration and Production Company
Three North Park East
Post Office Box 20
Dallas Texas 75221
214 739 7200

*NSL-1497
due 4/2*

State of New Mexico
Energy and Minerals Department
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. Daniel S. Nutter
Chief Engineer

Re: Administrative Application of Sun
Exploration and Production Co. for an
Unorthodox Gas Well Location, Eddy Co-
nty, New Mexico

Gentlemen:

Sun Exploration and Production Company respectfully requests adminis-
trative approval of an unorthodox gas well location, due to topograph-
ical conditions, for our Pecos Irrigation Co. Well No. 1 to be drilled
at a location 1980 feet from the North line and 2130 feet from the
East line of Section 10, Township 23 South, Range 28 East, Eddy County,
New Mexico.

*Rec'd
4-7-82
DR*

Sun's proposed well would test the Atoka and Morrow formations at ap-
proximate respective depths of 11,600 feet and 12,275 feet. Sun's
Pecos Irrigation Company Well No. 1 would be permitted to a depth of
13,100 feet with the proposed total depth at 13,000 feet.

More than one lease of different ownership has been voluntarily dedi-
cated to the well, and the interest of all owners has been consolidated
by voluntary unitization. The East half of Section 10, T-23-S, R-28-E,
Eddy County, has been dedicated to the proposed well.

Sun's request for an unorthodox location is necessitated because of
two intersecting canals and a road which traverse the SW $\frac{1}{4}$ of the NE $\frac{1}{4}$
in a NE/SW direction and in an E/W direction. Both canals intersect in
the SW $\frac{1}{4}$ NE $\frac{1}{4}$ at a point approximately 1980 feet from the North and East
lines of Section 10.

All offset operators have been notified of Sun's unorthodox gas well
location and waiver requests have been submitted via certified mail
as per the attached offset operator list.

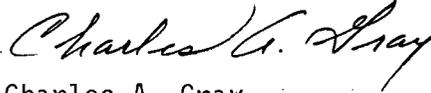
*Waived Price Bennett of this appl and the
waiver from Pogo 11:30 am 3/8/82. Told him its
OK to approve C-101 subject to provision there be no
production until NSL has been approved. Also
called Charlie Gray-Sun and told him OK to start drilling.*

*and notification
Also that we need ownership in S1/4 Sec 2 and N1/4 Sec 14
that Bennett will approve C-101 before subject to above provisions.*

Due to extenuating circumstances (lease expiration date) Sun begs the Commission to expedite verbal approval authority in order that Sun may be allowed to spud subject well on Monday, March 8, 1982.

Your assistance and cooperation in this matter is most appreciated.

Respectfully submitted,



Charles A. Gray
Area Manager of Conservation
P. O. Box 20
Dallas, Texas 75221
AC 214 739-7499

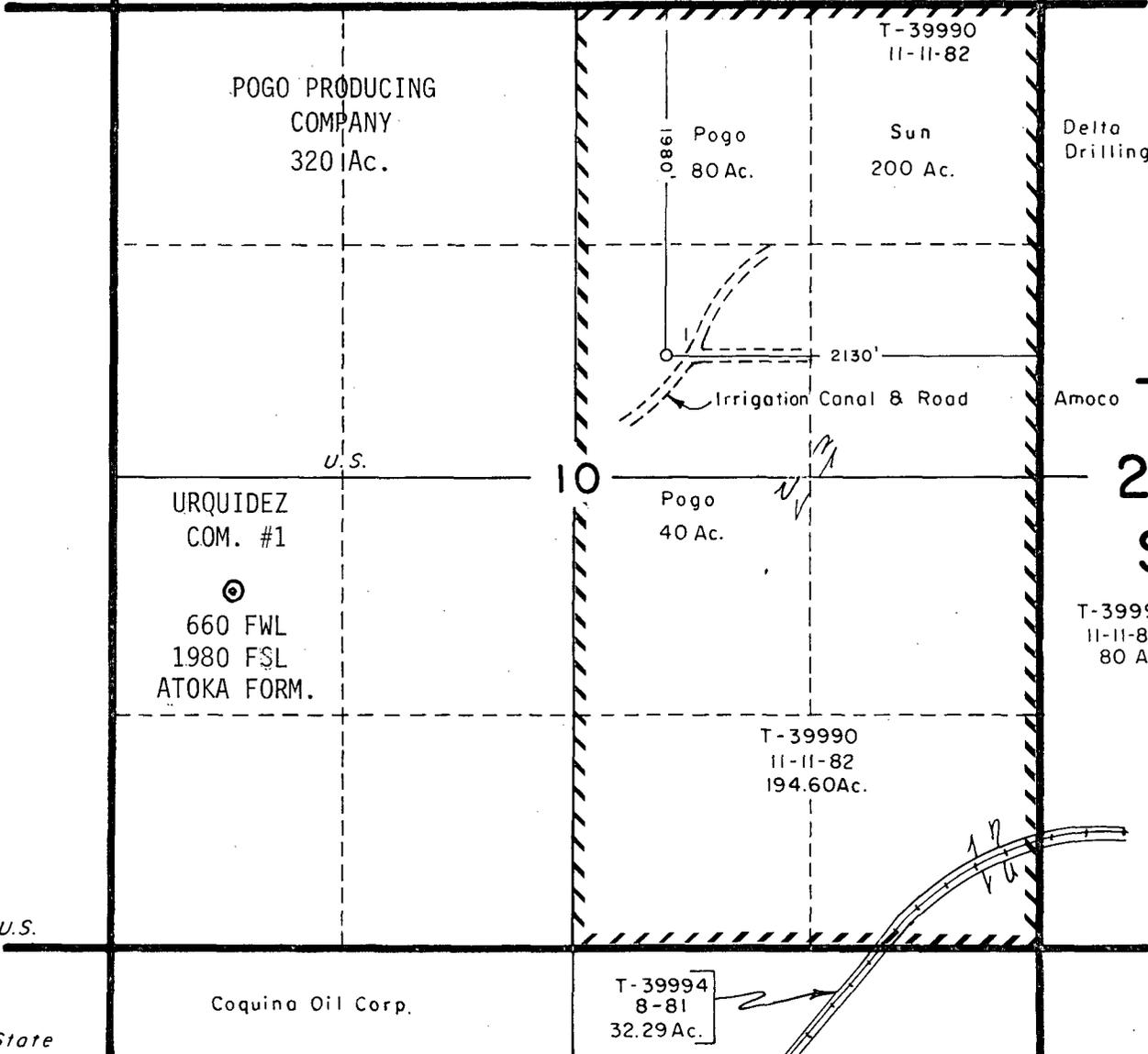
CAG:nh
Attachments

Union Oil Co.
Holly Energy
Amoco

R 28 E

T-39992-1,2
1-83
120 Ac.

U.S.



POGO PRODUCING
COMPANY
320 IAc.

T-39990
11-11-82

Pogo
80 Ac.

Sun
200 Ac.

Delta
Drilling

U.S.

10

URQUIDEZ
COM. #1

660 FWL
1980 FSL
ATOKA FORM.

Pogo
40 Ac.

Irrigation Canal & Road

Amoco

T
23
S

T-39991
11-11-82
80 Ac.

T-39990
11-11-82
194.60Ac.

U.S.

State

Coquina Oil Corp.

T-39994
8-81
32.29Ac.

Cities Service
Pogo Producing
Coquina Oil Corp.

unitized Lease

SUN EXPLORATION & PRODUCTION CO.
SUN GAS DIVISION
WELL LOCATION PLAT
PECOS IRRIGATION CO. NO. 1
N.E. LOVING FIELD
EDDY CO., NEW MEXICO
SCALE: 1" = 1000' FEB., 1982

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

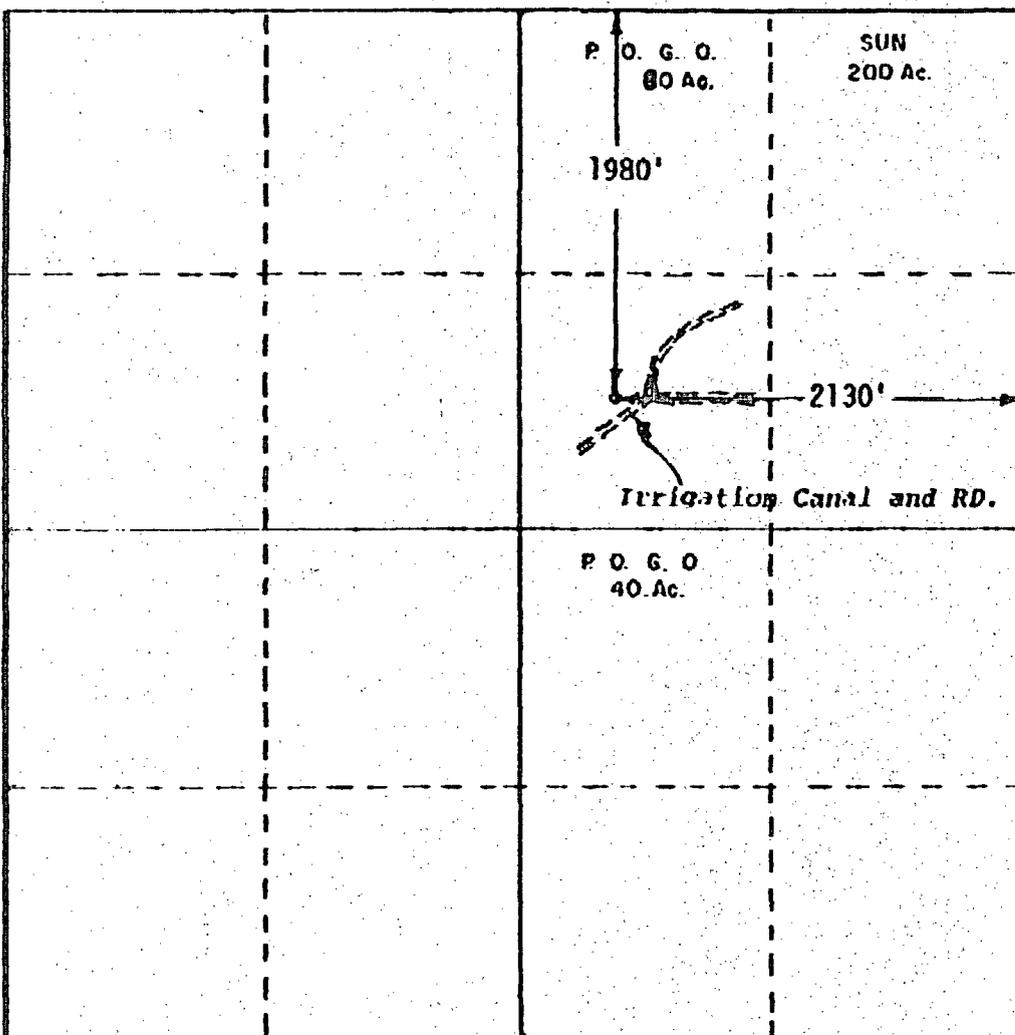
Operator SUN EXPLORATION & PRODUCTION CO.			Lessee PECOS IRRIGATION CO.		Well No. 1
Well Letter G	Section 10	Township 23-S	Range 28-E	County EDDY	
Actual Enticement Location of Well:					
1980	feet from the	NORTH	line and	2130	feet from the EAST line
Ground Level Elev: 3019'	Producing Formation Atoka, Morrow		Pool NE Loving	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Sue Clark

Name
Production Staff Associate
Position
Sun Exploration & Production
Company
February 22, 1982
Date

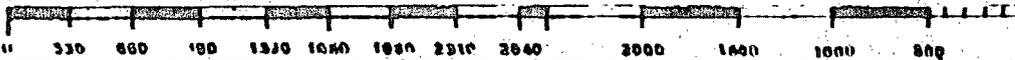
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

FEBRUARY 18, 1982

Date Surveyed
GARY S. BOSWELL
Registered Professional Engineer
and/or Land Surveyor

Gary S. Boswell

Certificate No.
6689



OFFSET OPERATOR LIST

Amoco Production Company
P. O. Box 3092
Houston, Texas 77001
Attn: Mr. J. C. Allen
Proration Dept.

Cities Service Company
P. O. Box 1919
Midland, Texas 79702
Attn: Mr. E. F. Motter

Coquina Oil Corporation
P. O. Drawer 2960
Midland, Texas 79702
Attn: Mr. Les Oppermann

Delta Drilling Company
3100-C North A- Street
Midland, Texas 79701
Attn: Mr. Ray Bullock/Rod Woodard

Holly Energy, Inc.
2600 Diamond Shamrock Tower
Dallas, Texas 75201
Attn: Mr. Wm. H. Boyles

Union Oil Company of California
P. O. Box 671
Midland, Texas 79702
c/o Robert Lockhart/Attn: Mr. Lloyd Thompson

**TO: OFFSET
OPERATORS**

March 5, 1982

- COPY -

Re: Waiver Request for Administrative
Application of an Unorthodox Gas
Well Location, Eddy County, NM

Gentlemen:

Sun Exploration and Production Company respectfully requests your waiver of objection for administrative approval of an unorthodox well location based on topographical conditions for our Pecos Irrigation Co. Well No. 1 proposed to be drilled at a location 1980 feet from the North line and 2130 feet from the East line of Section 10, Township 23 South, Range 28 East, Eddy County, New Mexico.

Sun's well would test the Atoka and Morrow formations in the East half of Section 10, but our request for an unorthodox location would in no manner infringe upon your acreage position, as our proposed location is at least 1980 feet removed from lease boundaries to the North, East and South of Section 10.

If you as the authorized representative of your company have no objections to Sun's proposed unorthodox location, please execute the waiver noted below and mail in the envelopes provided to the appropriate parties.

Your assistance and cooperation in this matter is most appreciated. Should you have any questions, please contact me in Dallas, Texas at 214/739-7499.

Respectfully submitted,

Charles A. Gray
Area Manager of Conservation
SUN EXPLORATION & PRODUCTION COMPANY

W A I V E R

Gentlemen,

Please be advised that **OFFSET OPR.** has reviewed Sun Exploration & Production Co.'s proposed Pecos Irrigation Co. Well No. 1 to be drilled at an unorthodox location 1980 feet from the North line and 2130 feet from the East line of Section 10, T-23-S, R-28-E, Eddy County, New Mexico, and hereby waive all rights of protest as to this proposed location.

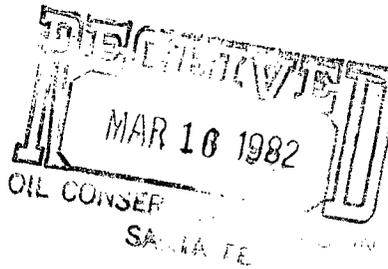
Signed: _____

Date: _____

Title: _____

CG/Attachments

- Copy 1 - Retain by Executor
- Copy 2 - Submit to New Mexico Oil Conservation Commission
- Copy 3 - Submit to Sun Exploration & Production Company



Amoco Production Company (USA)

500 Jefferson Building
P.O. Box 3092
Houston, Texas 77001

March 11, 1982

File: JCA-986.511-059

NSL-1497

Re: Waiver Request for Administrative
Application of an Unorthodox Gas
Well Location,
Eddy County, New Mexico

Oil Conservation Commission
State Land Office Bldg.
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen,

Please be advised that Amoco Production Company has reviewed Sun Exploration & Production Co.'s proposed Pecos Irrigation Co. Well No. 1 to be drilled at an unorthodox location 1980 feet from the North line and 2130 feet from the East line of Section 10, T-23-S, R-28-E, Eddy County, New Mexico, and hereby waive all rights of protest as to this proposed location.

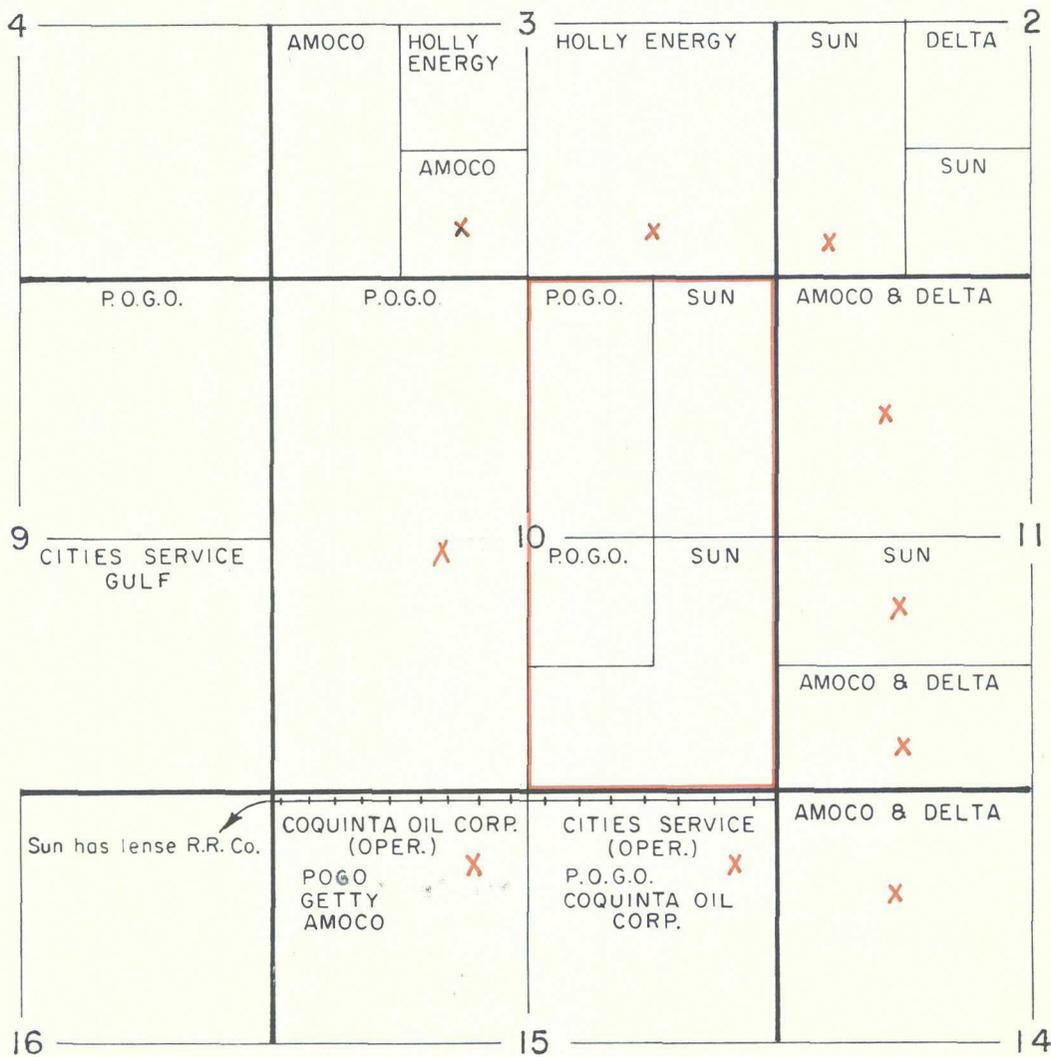
Yours very truly,

R. G. Smith
Regional Engineer Manager - West

MLC/fp

cc: Sun Gas Company
P. O. Box 20
Dallas, TX 75221

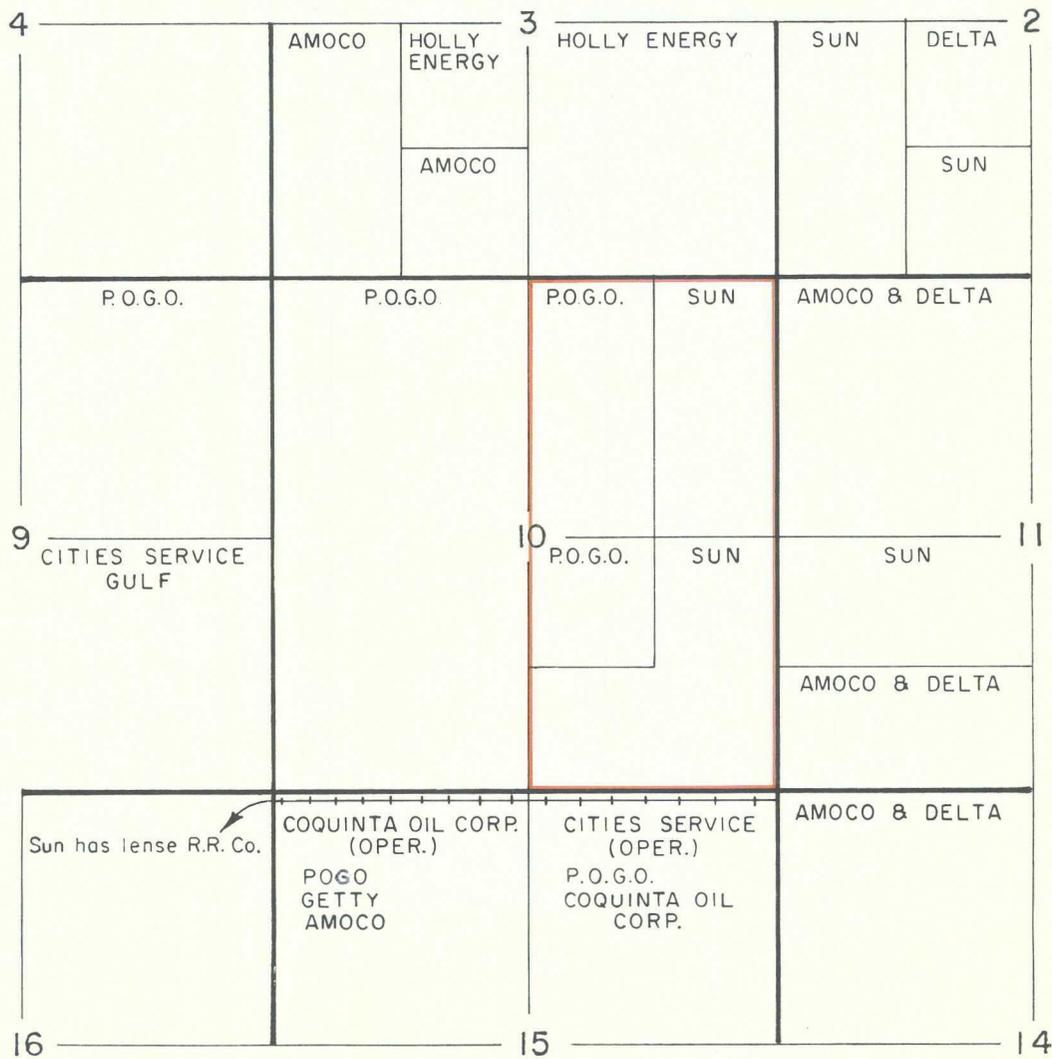
R. 28 E.



T.
23
S.

SUN PRODUCTION & EXPLORATION CO.
PECOS IRRIGATION CO. NO. 1
 UNIT, LETTER G, SECTION 10, T23S, R28E.
 N.E. LOVING FIELD
 EDDY CO., NEW MEXICO
 SCALE: 1" = 2000' MARCH, 1982

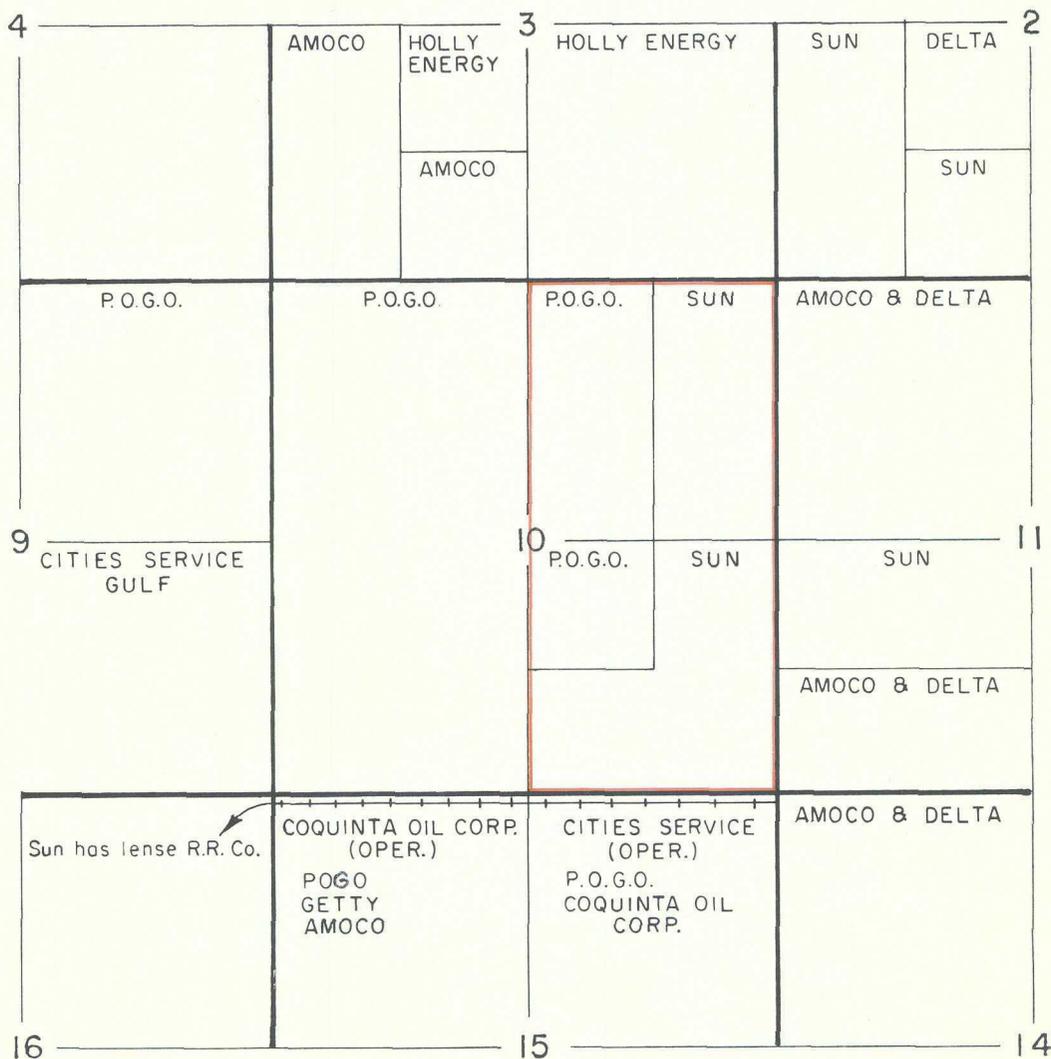
R. 28 E.



T.
23
S.

SUN PRODUCTION & EXPLORATION CO.
PECOS IRRIGATION CO. NO. 1
 UNIT, LETTER G, SECTION 10, T. 23 S., R. 28 E.
 N.E. LOVING FIELD
 EDDY CO., NEW MEXICO
 SCALE: 1" = 2000' MARCH, 1982

R. 28 E.



T.
23
S.

SUN PRODUCTION & EXPLORATION CO.
PECOS IRRIGATION CO. NO. 1
UNIT, LETTER G, SECTION 10, T23S, R28E.
N.E. LOVING FIELD
EDDY CO., NEW MEXICO
SCALE: 1" = 2000' MARCH, 1982



Pogo Producing Company

300 Midland Tower Building • Post Office Box 10340 • Midland, Texas 79701 • 915/682-6822

Recd 3/8/82

March 5, 1982

Oil Conservation Division
State of New Mexico Energy and Minerals Department
State Land Office Building, Room 206
Old Santa Fe Trail
Santa Fe, New Mexico 87501

Attention: Mr. Daniel S. Nutter

Gentlemen:

Pogo Producing Company has been advised of Sun Exploration and Production Company's location being 1980' FNL and 2130' FEL of Section 10, T-23-S, R-28-E, Eddy County, New Mexico and has no objection to this proposed Morrow or Atoka test at the stated unorthodox location.

Yours very truly,

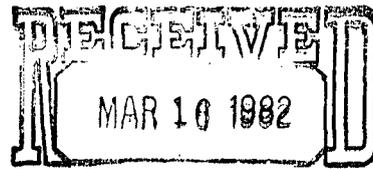
POGO PRODUCING COMPANY

A. T. Carleton
Vice President

ATC:dt

2497 nsl

March 5, 1982



OIL CONSERVATION DIVISION
SANTA FE

Cities Service Company
P. O. Box 1919
Midland, Texas 79702

Attn: Mr. E. F. Motter

Re: Waiver Request for Administrative
Application of an Unorthodox Gas
Well Location, Eddy County, NM

Gentlemen:

Sun Exploration and Production Company respectfully requests your waiver of objection for administrative approval of an unorthodox well location based on topographical conditions for our Pecos Irrigation Co. Well No. 1 proposed to be drilled at a location 1980 feet from the North line and 2130 feet from the East line of Section 10, Township 23 South, Range 28 East, Eddy County, New Mexico.

Sun's well would test the Atoka and Morrow formations in the East half of Section 10, but our request for an unorthodox location would in no manner infringe upon your acreage position, as our proposed location is at least 1980 feet removed from lease boundaries to the North, East and South of Section 10.

If you as the authorized representative of your company have no objections to Sun's proposed unorthodox location, please execute the waiver noted below and mail in the envelopes provided to the appropriate parties.

Your assistance and cooperation in this matter is most appreciated. Should you have any questions, please contact me in Dallas, Texas at 214/739-7499.

Respectfully submitted,

Charles A. Gray
Area Manager of Conservation
SUN EXPLORATION & PRODUCTION COMPANY

W A I V E R

Gentlemen,

CITIES SERVICE COMPANY

Please be advised that Cities Service Co. has reviewed Sun Exploration & Production Co.'s proposed Pecos Irrigation Co. Well No. 1 to be drilled at an unorthodox location 1980 feet from the North line and 2130 feet from the East line of Section 10, T-23-S, R-28-E, Eddy County, New Mexico, and hereby waive all rights of protest as to this proposed location.

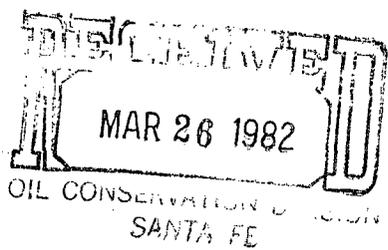
Signed: [Signature]

Date: MAR 12 1982

Title: Engineering Manager

CG/Attachments

- Copy 1 - Retain by Executor
- Copy 2 - Submit to New Mexico Oil Conservation Commission
- Copy 3 - Submit to Sun Exploration & Production Company



March 5, 1982

File
NSC-1497

Union Oil Company of California
P. O. Box 671
Midland, Texas 79702
c/o Robert Lockhart/Attn: Mr. Lloyd Thompson

Re: Waiver Request for Administrative
Application of an Unorthodox Gas
Well Location, Eddy County, NM

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Respectfully submitted,

Charles A. Gray
Area Manager of Conservation
SUN EXPLORATION & PRODUCTION COMPANY

W A I V E R

Gentlemen,

Please be advised that Union Oil Co. of California has reviewed Sun Exploration & Production Co.'s proposed Pecos Irrigation Co. Well No. 1 to be drilled at an unorthodox location 1980 feet from the North line and 2130 feet from the East line of Section 10, T-23-S, R-28-E, Eddy County, New Mexico, and hereby waive all rights of protest as to this proposed location.

Signed: *A. Kempner*

Date: 3/22/82

Title: *Dist. Ops. Mgr.*

CG/Attachments

- Copy 1 - Retain by Executor
- Copy 2 - Submit to New Mexico Oil Conservation Commission
- Copy 3 - Submit to Sun Exploration & Production Company

1491

March 5, 1982



Delta Drilling Company
3100-C, North -A- Street
Midland, Texas 79701
Attn: Mr. Ray Bullock/Rod Woodard

Re: Waiver Request for Administrative
Application of an Unorthodox Gas
Well Location, Eddy County, NM

Gentlemen:

Sun Exploration and Production Company respectfully requests your waiver of objection for administrative approval of an unorthodox well location based on topographical conditions for our Pecos Irrigation Co. Well No. 1 proposed to be drilled at a location 1980 feet from the North line and 2130 feet from the East line of Section 10, Township 23 South, Range 28 East, Eddy County, New Mexico.

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Respectfully submitted,

Charles A. Gray
Area Manager of Conservation
SUN EXPLORATION & PRODUCTION COMPANY

W A I V E R

Gentlemen,

Please be advised that Delta Drilling Co. has reviewed Sun Exploration & Production Co.'s proposed Pecos Irrigation Co. Well No. 1 to be drilled at an unorthodox location 1980 feet from the North line and 2130 feet from the East line of Section 10, T-23-S, R-28-E, Eddy County, New Mexico, and hereby waive all rights of protest as to this proposed location.

Signed: Dr. H. Osterle Date: 3-16-82

Title: Subprop. Engineer

CG/Attachments

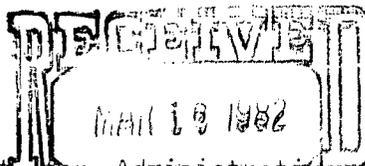
- Copy 1 - Retain by Executor
- Copy 2 - Submit to New Mexico Oil Conservation Commission
- Copy 3 - Submit to Sun Exploration & Production Company

March 5, 1982

nsd-

Coquina Oil Corporation
P. O. Drawer 2960
Midland, Texas 79702

Attn: Mr. Les Oppermann



Re: Waiver Request For Administrative
Application of ~~OIL CONSERVATION~~ Unorthodox Gas
Well Location, Eddy County, NM
SANTA FE

Gentlemen:

Sun Exploration and Production Company respectfully requests your waiver of objection for administrative approval of an unorthodox well location based on topographical conditions for our Pecos Irrigation Co. Well No. 1 proposed to be drilled at a location 1980 feet from the North line and 2130 feet from the East line of Section 10, Township 23 South, Range 28 East, Eddy County, New Mexico.

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Respectfully submitted,

Charles A. Gray
Area Manager of Conservation
SUN EXPLORATION & PRODUCTION COMPANY

W A I V E R

Gentlemen,

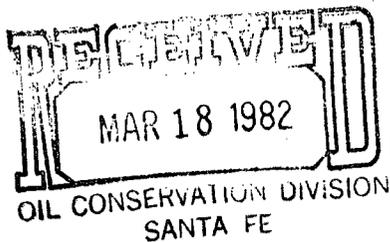
Please be advised that Coquina Oil Corp. has reviewed Sun Exploration & Production Co.'s proposed Pecos Irrigation Co. Well No. 1 to be drilled at an unorthodox location 1980 feet from the North line and 2130 feet from the East line of Section 10, T-23-S, R-28-E, Eddy County, New Mexico, and hereby waive all rights of protest as to this proposed location.

Signed: [Signature]
Title: Exploration Manager

Date: 3-9-82

CG/Attachments

- Copy 1 - Retain by Executor
- Copy 2 - Submit to New Mexico Oil Conservation Commission
- Copy 3 - Submit to Sun Exploration & Production Company



March 5, 1982

MSL

3 8 82

Holly Energy, Inc.
2600 Diamond Shamrock Tower
Dallas, Texas 75201
Attn: Mr. Wm. H. Boyles

Re: Waiver Request for Administrative
Application of an Unorthodox Gas
Well Location, Eddy County, NM

Gentlemen:

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Respectfully submitted,

Charles A. Gray
Area Manager of Conservation
SUN EXPLORATION & PRODUCTION COMPANY

W A I V E R

Gentlemen,

Please be advised that Holly Energy, Inc. has reviewed Sun Exploration & Production Co.'s proposed Pecos Irrigation Co. Well No. 1 to be drilled at an unorthodox location 1980 feet from the North line and 2130 feet from the East line of Section 10, T-23-S, R-28-E, Eddy County, New Mexico, and hereby waive all rights of protest as to this proposed location.

Signed: William H. Boyles Date: 3-12-82
Title: William H. Boyles
VICE PRESIDENT

CG/Attachments

- Copy 1 - Retain by Executor
- Copy 2 - Submit to New Mexico Oil Conservation Commission
- Copy 3 - Submit to Sun Exploration & Production Company

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
 MAR - 1 1982
 O. C. D.
 ARTESIA, OFFICE

Form C-101
 Revised 1-1-65
 5A. Indicate Type of Lease
 STATE FEE
 5. State Oil & Gas Lease No.

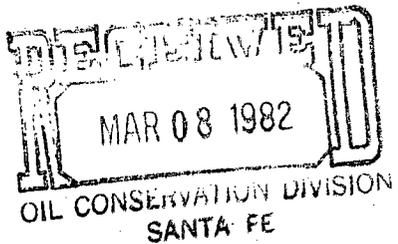
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. Unit Agreement Name		
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Firm or Lease Name Pecos Irrigation Company		
2. Name of Operator Sun Exploration and Production Company			9. Well No. 1		
3. Address of Operator 2525 N.W. Expressway, Oklahoma City, Oklahoma 73112			10. Field and Pool, or Wellbore N. E. Loving		
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>2130'</u> FEET FROM THE <u>East</u> LINE OF SEC <u>10</u> TWP. <u>23S</u> RGE. <u>28E</u> NMPN			17. County Eddy		
19. Proposed Depth 13100		19A. Formation Atoka, Morrow		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, KI, etc.) 3025' GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Cactus Drilling Co.		22. Approx. Date Work will start 3-5-82	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20"	16"	75#	425'	510	Surface
14-3/4"	10-3/4"	40.5#	2650'	1700	Surface
9-1/2"	7-5/8"	26.4#	10000'	1675'	2550'
6-1/2"	5"	15#	13000'	275	9200'

Drill & complete in the Atoka Formation as per the attached Drilling Program. We will penetrate the Morrow Formation as a secondary objective.



Note: Blowout Preventer Diagrams attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Sue Clark Title Production Staff Associate Date February 22, 1982

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

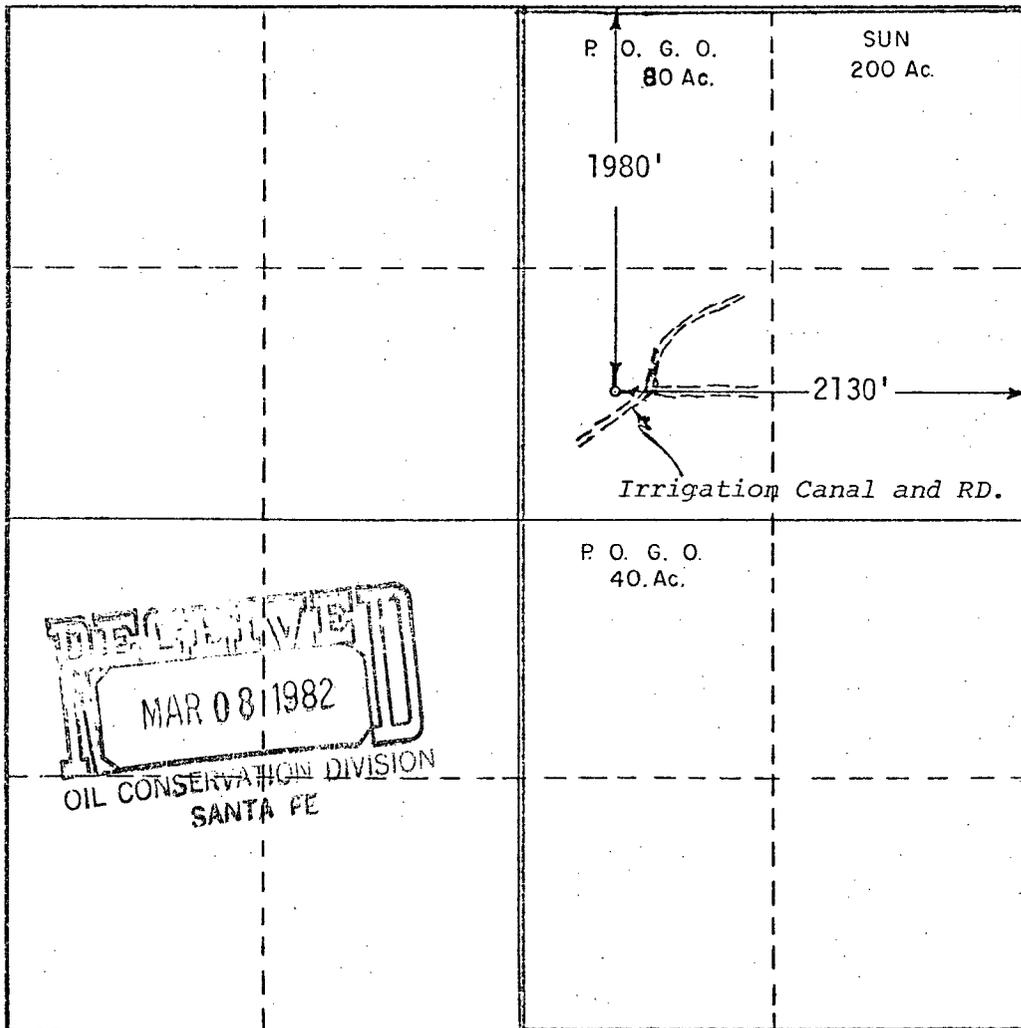
Operator SUN EXPLORATION & PRODUCTION CO.		Lease PECOS IRRIGATION CO.		Well No. 1
Unit Letter G	Section 10	Township 23-S	Range 28-E	County EDDY
Actual Footage Location of Well: 1980 feet from the NORTH line and 2130 feet from the EAST line				
Ground Level Elev. 3019'	Producing Formation Atoka, Morrow	Pool NE Loving	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation UNITIZATION AGREEMENT

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Sue Clark
Name

Production Staff Associate
Position

Sun Exploration & Production
Company

Company

February 22, 1982
Date

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

FEBRUARY 18 1982
Date Surveyed

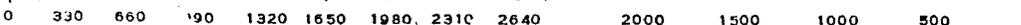
Date Surveyed

GARY D. ROSWELL
Registered Professional Engineer and/or Land Surveyor

Registered Professional Engineer and/or Land Surveyor

Gary D. Roswell
Certificate No.

6689



DRILLING PROGRAM LEASE & WELL Pecos Irrigation Company #1

DISTRICT Oklahoma City FIELD NE Loving CO. XXXX Eddy STATE NM

DEPTH TD 13,000 MD 13,000 COMPLETION SINGLE X DUAL OTHER GAS X OIL CLASS P X PW EW OTHER

LOCATION SURFACE 1980' FNL & 2130' FEL, Section 10-T23S-R28E BOTTOM HOLE GR. ELEV. 3025

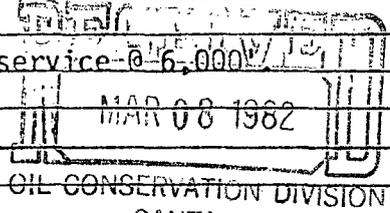
DRILLING TIME & COST DAYS FROM SPUD TO DRILL PLUG OF: SURFACE CASING 10-3/4" 7-5/8" TD OIL STRING RR

VENDORS MUD CO. Baroid TESTING - CORING - CMTG. CO. HOWCO MUD LOGGER TBD DH COMP. EQPT. TBD

SUBSURFACE DATA ZONE DEPTH ANTIC. BHP EQV. MW REMARKS

MUD PROGRAM FROM TO TYPE MUD WEIGHT FUNNEL VIS MAX WL PV YP

REMARKS Use desander & desilter from 2650-10,000 to control solids. After drilling Atoka, keep mud weight as low as possible to drill Morrow.



HOLE SIZE SIZE 20 14-3/4 9-1/2 6-1/2 FROM/TO 30 | 400 400 | 2650 2650 | 10,000 10,000 | TD

PREPARED BY DATE APPROVED BY DATE

DRILLING PROGRAM

LEASE & WELL

Pecos Irrigation Company #1

WELLHEAD EQUIP. 10-3/4"x7-5/8" csqhd (5000 psi WP), 7-5/8"x2-7/8" tbqhd (10,000 psi WP) with dual master valves, crown valve, wing valve & adj chk

FRESH WATER PROJECTION DEPTH 2650 FIELD RULES WATER BOARD OTHER

REMARKS 2650' intermediate csg to be cemented to surf to cover any fresh water sands.

EQUIPMENT PROGRAM

CSG SEAT	POS	FOOTAGE	SIZE	WEIGHT	GR	JOINT	DRIFT ID	MAX OD	REMARKS
425		425	16	75	K	STC	14.938	17.0	
2650*		2650	10-3/4	40.5	K	STC	9.894	11.750	*Set 50' into Delaware.
10000		10000	7-5/8	26.4	S95	LTC	6.844	8.500	**Set in top of Wolfcamp. Inspect with Scanalog 500 or equiv.
13000		3500	5	15	S95	LTC	4.283	5.553	Inspect with Scanalog 500 or equiv. Sandblasted.
	T	9500	2-7/8	6.5	N80	ABMod	2.347	3.668	Inspect on location with Scanalog 500 or equiv.
	B	2000	2-3/8	4.7	N80	ABMod	1.901	3.053	Ship A-B mod cplgs boxed separately.

REMARKS 16" & 10-3/4": Threadlock & tackweld btm 3 jts & float equipment. Centralize btm 425' & 1000' respectively. Test 10-3/4" to 1000 psi prior to drilling out.

7-5/8": Deliver 3 jts with handtite couplings & threadlock with float equipment. Centralize btm 1000' + any potential zones.

5": Use MWL type EJ hanger with float collar & latch collar.

CEMENTING PROGRAM

CSG SIZE	TYPE		SX OR CU FT	SLURRY DESCRIPTION	YIELD	WEIGHT	EST TOP	CAL EXCESS	WOC HOURS		
	COLLAR	SHOE							NU	DRL	PERF
16	FC	GS	510	Class C + 2% CaCl	1.32	14.8	Surf	100		12	
10-3/4	FC	GS	1500	Howcolite+8#/sk salt+1/4#/skFlocele	1.86	12.7	Surf	125	8	12	
				Tail in w/200 Class C + 2% CaCl	1.32	14.8					
7-5/8	FC	FS	525	Trinity litewt + .75% CFR-2 + 1/4#/sk Flocele	1.72	12.0	5700	35	8	12	
				Tail in w/300 Class H + .75% CFR-2	1.18	15.6					
				Precede with 30 bbl mud flush.							
5	FC, IC	FS	275	Class H + .6% Halad 22-A + .4% CFR-2 + .1% HR-7 + 5#/sk KCl + 1/2#/sk gas check. Precede with 20 bbl SAM V flush.	1.2	15.8	9200	25		24	48

NOTE: USE TOP & BOTTOM RUBBER CEMENTING PLUGS. TRANSFER WEIGHT FROM HOOK TO SLIPS WITHOUT PULL-UP OR SLACK OFF WHEN NIPLING UP. REMARKS Adjust volumes by caliper + 25%.

10-3/4": Reciprocate prior to & during cmtg. Test to 1000 psi prior to drlg shoe.

7-5/8": Reciprocate prior to & during cmtg. Test to 3000 psi prior to drlg out.

5": Batch mix cmt. Use double plug method. Pull 15-20 stds before reversing out.

Pilot test & all cmt with location mixing wtr.

MAR 08 1982
OIL CONSERVATION DIVISION
DANTE EC

3-4-82

PECOS IRRIGATION CO.

JMM

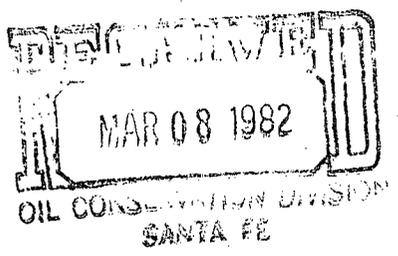
WILL CHANGE 7 5/8" CMTG PROGRAM
 AS REQUESTED N.M. ENERGY & MINERALS DEPT.
 TO BRING CMT BACK TO 10 3/4" CS @
 2650' TO PROTECT POTENTIAL OIL ZONES
 @ 3700'

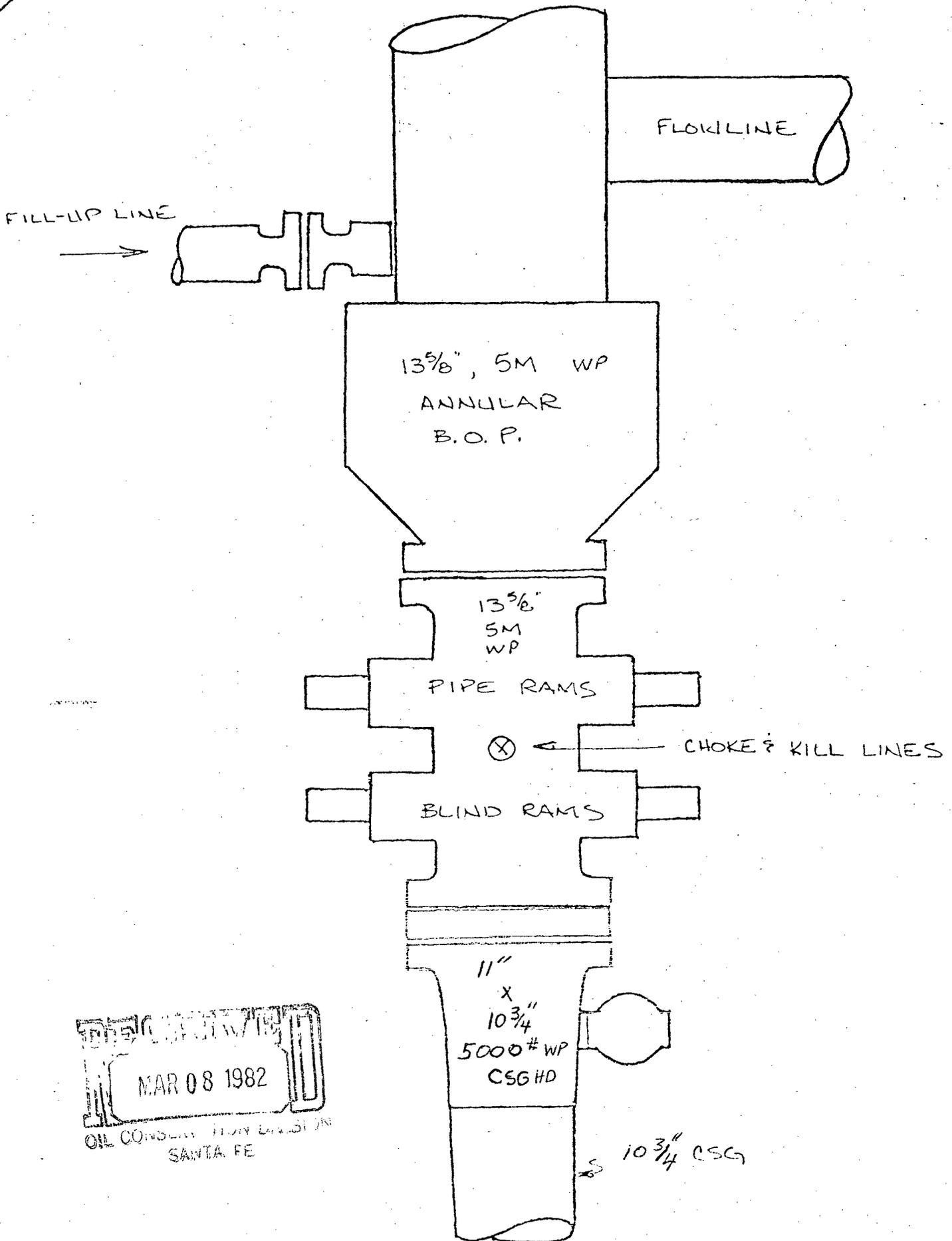
~~RUN~~ STAGE COLLAR @ 5700

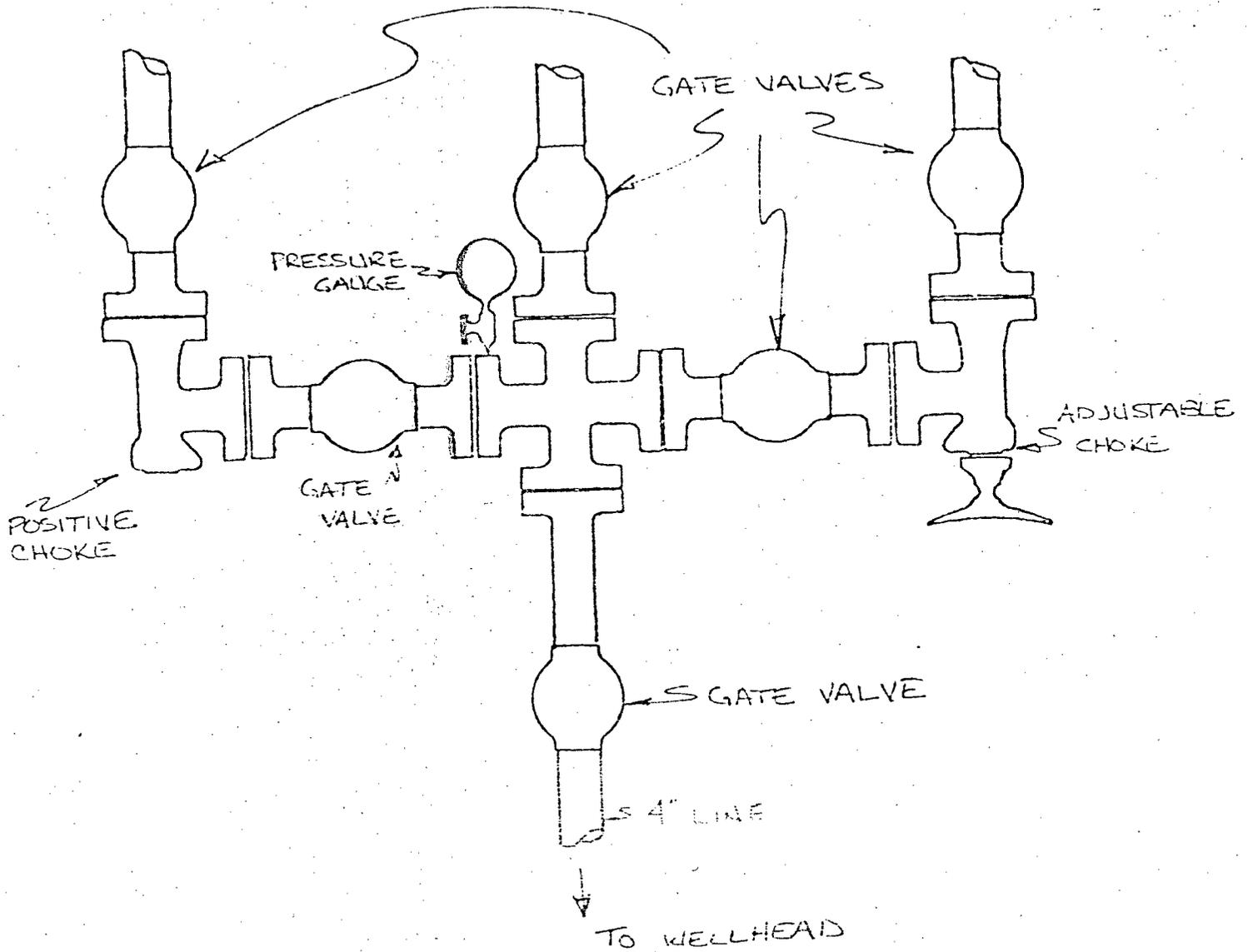
2nd STAGE TOC 2550'

750	SK	50:50:2	GEL	POZ MIX	A	YLD	LT
						1.26	14.1
TPL	IN	W 100 SK	CLASS	H	NEAT	1.18	15.6

50% EXCESS







5000 PSI WP

R 28 E

4		3		2	
CITIES SERVICE GULF		P.O.G.O.		AMOCO PRODUCTION CO. DELTA DRILLING CO.	
9		P.O.G.O. <i>waiver</i>		11	
16		15		14	
		COQUINTA OIL CORP.			
		CITIES SERVICE P.O.G.O. COQUINTA OIL CORP.			

UNION OIL OF CALIFORNIA
AMOCO PRODUCTION CO.
HOLLY ENERGY, INC.

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MAR 08 1982
OIL CONSERVATION DIVISION
SANTA FE

SUN PRODUCTION & EXPLORATION CO.

PECOS IRRIGATION CO.

WELL NO. 1

UNIT LETTER G, SECTION 10, T 23 N, R 28 E.